

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE	AR-23-NW-013475-01	REPORT DATE	25/03/2023
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Attention Winstone Aggregates - Otaki
 Gary Edwards
 1 state highway 1
 5543 Otaki
 NEW ZEALAND

Phone 64272135004

Email gary.edwards@winstoneaggregates.co.nz

Copy to: paxie (andreas.paxie@gmail.com), services (shareservices@fbu.com), adams

Contact for your orders: Mohammed Marza
Contract: Otaki

Order code: EUNZWE-00113173

SAMPLE CODE 812-2023-00034521

Sampling Point code: NW0002209002

Sampling Point name: Winstone Otaki Pond

Reception Date & Time: 16/03/2023 16:44

Analysis Start Date & Time: 16/03/2023 16:44

Analysis Ending Date: 25/03/2023

Sampled Date & Time 16/03/2023 11:48

Sampler(s) Ethan Clarke

Sampled by Eurofins Yes

RESULTS

LOQ

NW453 Aluminium - Dissolved

Aluminium	0.006	mg/l	0.005
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NW457 Calcium - Dissolved

Calcium (Ca)	6.90	mg/l	0.01
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NW007 Chloride

Chloride (Cl)	6.13	mg/l	0.02
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NW023 Conductivity

Conductivity	8.4	mS/m	0.1
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ZM0UY Enumeration of Escherichia coli By Membrane Filtration

Escherichia coli	28	cfu/100 ml	4
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ZM0WF Enumeration of Faecal Coliforms By Membrane Filtration

Faecal Coliforms	40	cfu/100 ml	4
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NW460 Iron - Dissolved

Iron (Fe)	0.009	mg/l	0.005
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NW462 Magnesium - Dissolved

Magnesium (Mg)	1.49	mg/l	0.01
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NW463 Manganese - Dissolved

Manganese (Mn)	<0.005	mg/l	0.005
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NW010 Nitrate-N

Nitrate-N	<0.01	mg/l	0.01
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NW195 pH

pH	7.8		0.1
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NW003 Total Alkalinity

Alkalinity total	30	mg CaCO3/l	1
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NW029 Total Hardness

Hardness	23	mg CaCO3/l	1
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NW227 TPH (GC-FID)

Food & Water Testing

	RESULTS		LOQ
NW227 TPH (GC-FID)			
Maximum TPH Content	<0.5	mg/l	0.1
Nonpolar TPH C10-C12	<0.1	mg/l	0.1
TPH C13 - C19	<0.1	mg/l	0.1
TPH C20 - C26	<0.1	mg/l	0.1
TPH C27 - C37	<0.1	mg/l	0.1
TPH C7 - C9	<0.1	mg/l	0.1
NW212 Turbidity			
Turbidity	0.76	NTU	0.01

SAMPLE CODE	812-2023-00034522		
Sampling Point code:	NW0002209001	Sampling Point name:	Winstone Otaki Bore
Reception Date & Time:	16/03/2023 16:44	Analysis Ending Date:	25/03/2023
Analysis Start Date & Time:	16/03/2023 16:46	Sampler(s)	Ethan Clarke
Sampled Date & Time	16/03/2023 11:19		
Sampled by Eurofins	Yes		

	RESULTS		LOQ
NW453 Aluminium - Dissolved			
Aluminium	<0.005	mg/l	0.005
NW457 Calcium - Dissolved			
Calcium (Ca)	8.05	mg/l	0.01
NW007 Chloride			
Chloride (Cl)	6.75	mg/l	0.02
NW023 Conductivity			
Conductivity	9.3	mS/m	0.1
ZM0UW Enumeration of Escherichia coli By Membrane Filtration			
Escherichia coli	<1	cfu/100 ml	1
UME9S Enumeration of Faecal Coliforms by Membrane Filtration			
Faecal Coliforms	<1	cfu/100 ml	1
NW460 Iron - Dissolved			
Iron (Fe)	<0.005	mg/l	0.005
NW462 Magnesium - Dissolved			
Magnesium (Mg)	1.62	mg/l	0.01
NW463 Manganese - Dissolved			
Manganese (Mn)	<0.005	mg/l	0.005
NW010 Nitrate-N			
Nitrate-N	0.20	mg/l	0.01
NW195 pH			
pH	6.6		0.1
NW003 Total Alkalinity			
Alkalinity total	23	mg CaCO3/l	1
NW029 Total Hardness			
Hardness	27	mg CaCO3/l	1
NW227 TPH (GC-FID)			
Maximum TPH Content	<0.5	mg/l	0.1

Food & Water Testing

	RESULTS		LOQ
NW227 TPH (GC-FID)			
Nonpolar TPH C10-C12	0.2	mg/l	0.1
TPH C13 - C19	<0.1	mg/l	0.1
TPH C20 - C26	<0.1	mg/l	0.1
TPH C27 - C37	<0.1	mg/l	0.1
TPH C7 - C9	<0.1	mg/l	0.1
NW212 Turbidity			
Turbidity	0.23	NTU	0.01

SAMPLE CODE	812-2023-00034523		
Sampling Point code:	NW0002209003	Sampling Point name:	72 Te Roto Site Bore
Reception Date & Time:	16/03/2023 16:44		
Analysis Start Date & Time:	16/03/2023 16:50	Analysis Ending Date:	25/03/2023
Sampled Date & Time	16/03/2023 11:13	Sampler(s)	Ethan Clarke
Sampled by Eurofins	Yes		

	RESULTS		LOQ
NW453 Aluminium - Dissolved			
Aluminium	<0.005	mg/l	0.005
NW457 Calcium - Dissolved			
Calcium (Ca)	8.62	mg/l	0.01
NW007 Chloride			
Chloride (Cl)	8.08	mg/l	0.02
NW023 Conductivity			
Conductivity	10.1	mS/m	0.1
ZM0UW Enumeration of Escherichia coli By Membrane Filtration			
Escherichia coli	<1	cfu/100 ml	1
UME9S Enumeration of Faecal Coliforms by Membrane Filtration			
Faecal Coliforms	<1	cfu/100 ml	1
NW460 Iron - Dissolved			
Iron (Fe)	0.080	mg/l	0.005
NW462 Magnesium - Dissolved			
Magnesium (Mg)	1.74	mg/l	0.01
NW463 Manganese - Dissolved			
Manganese (Mn)	<0.005	mg/l	0.005
NW010 Nitrate-N			
Nitrate-N	0.27	mg/l	0.01
NW195 pH			
pH	6.4		0.1
NW003 Total Alkalinity			
Alkalinity total	24	mg CaCO3/l	1
NW029 Total Hardness			
Hardness	29	mg CaCO3/l	1
NW227 TPH (GC-FID)			
Maximum TPH Content	<0.5	mg/l	0.1
Nonpolar TPH C10-C12	<0.1	mg/l	0.1

Food & Water Testing

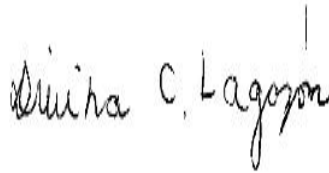
	RESULTS		LOQ
NW227 TPH (GC-FID)			
TPH C13 - C19	<0.1	mg/l	0.1
TPH C20 - C26	<0.1	mg/l	0.1
TPH C27 - C37	<0.1	mg/l	0.1
TPH C7 - C9	<0.1	mg/l	0.1
NW212 Turbidity			
Turbidity	0.70	NTU	0.01

LIST OF METHODS	
NW003 Total Alkalinity: APHA Online Edition 2320 B	NW007 Chloride: APHA Online Edition 4110 B
NW010 Nitrate-N: APHA Online Edition 4110 B	NW023 Conductivity: APHA Online Edition 2510 B
NW029 Total Hardness: APHA Online Edition 2340 B	NW195 pH: APHA Online Edition 4500-H B
NW212 Turbidity: APHA Online Edition 2130 B	NW227 TPH (GC-FID): Internal Method, GC-FID
NW453 Aluminium - Dissolved: APHA Online Edition 3120 B mod.	NW457 Calcium - Dissolved: APHA Online Edition 3120 B mod.
NW460 Iron - Dissolved: APHA Online Edition 3120 B mod.	NW462 Magnesium - Dissolved: APHA Online Edition 3120 B mod.
NW463 Manganese - Dissolved: APHA Online Edition 3120 B mod.	UME9S Faecal Coliforms E (Water) [NZ] <1 >60 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA Online
ZM0UW Escherichia coli E (Water) [NZ] <1 >60 /100 ml (0) m-FC Agar-F: SMEWW 9222I; APHA Online	ZM0UY Escherichia coli E (Water) [NZ] <4 >240 /100 ml (0) m-FC Agar-F: SMEWW 9222I; APHA Online
ZM0WF Faecal Coliforms E (Water) [NZ] <4 >240 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA Online	

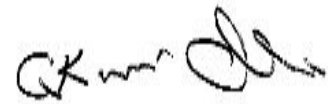
Signature



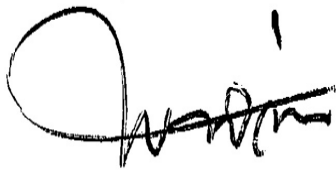
Jennifer Mont Supervisor



Divina Cunanan Lagazon Supervisor



Gordon McArthur Senior Laboratory Analyst



Maria Norris Laboratory Manager, Microbiology



Ganesh Ilancko Supervisor



Leo Cleave Senior Analyst



Gabriela Carvalhaes Manager Food and Water Testing Chemistry

EXPLANATORY NOTE

Food & Water Testing

- ① Test is not accredited
- ② Test is subcontracted within Eurofins group and is accredited
- ③ Test is subcontracted within Eurofins group and is not accredited
- ④ Test is subcontracted outside Eurofins group and is accredited
- ⑤ Test is subcontracted outside Eurofins group and is not accredited
- ⑥ Test result is provided by the customer and is not accredited
- ⑦ Tested at the sampling point by Eurofins and is not accredited
- ⑧ Tested at the sampling point by Eurofins and is accredited

N/A means Not Applicable

Not Detected means not detected at or above the Limit of Quantification (LOQ)

LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

The test result(s) in this report apply only to the sample as received.

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The tests are identified by a five-digit code, their description is available on request.

Accreditation does not apply to comments or graphical representations.

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END OF REPORT